

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

In re Application of _____

Bring completed form to:

File Information Unit
Crystal Plaza Three, Room 1D01
2021 South Clark Place
Arlington, VA
Telephone: (703) 308-2733

RECEIVED

APR 19 2004

File Information Unit

Application Number _____

Filed _____

09/024278 2-17-98

#20

Paper No. _____

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. 16571279, page, _____ line _____

United States Patent Number _____, column _____, line _____ or

WIPO Pub. No. _____, page _____, line _____

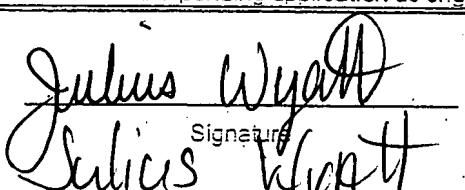
Related Information about Access to Pending Applications (37 CFR 1.14):

Direct access to pending applications is not available to the public but copies may be available and may be purchased from the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)), as follows:
For published applications that are still pending, a member of the public may obtain a copy of:

- the file contents;
- the pending application as originally filed; or
- any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the file contents;
 - the pending application as originally filed; or
 - any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the pending application as originally filed.



Signature

Typed or printed name

4-19-04

Date

FOR PTO USE ONLY

RECEIVED

Approved by: 

APR 19 2004 Initials:

Unit: _____

File Information Unit

This collection of information is required by 37 CFR 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. BRING TO: File Information Unit, Crystal Plaza Three, Room 1D01, 2021 South Clark Place, Arlington, VA.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US006571279B1

20

(12) **United States Patent**
Herz et al.

(10) **Patent No.:** US 6,571,279 B1
(45) **Date of Patent:** May 27, 2003

(54) **LOCATION ENHANCED INFORMATION
DELIVERY SYSTEM**

(75) Inventors: **Fredrick Herz, Warrington, PA (US);
Jonathan M. Smith, Princeton, NJ
(US); David C. Parkes, Philadelphia,
PA (US)**

(73) Assignee: **Pinpoint Incorporated, TX (US)**

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/314,321

(22) Filed: **May 19, 1999**

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/024,278, filed on
Feb. 17, 1998, and a continuation-in-part of application No.
08/985,731, filed on Dec. 5, 1997, now Pat. No. 6,029,195.

(51) Int. Cl. ⁷ **G06F 15/16**

(52) U.S. Cl. **709/217; 709/219; 709/203;
707/10**

(58) **Field of Search** **709/246, 203,
709/201, 217, 224, 226, 229, 202, 219,
225; 707/10**

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,853,678 A 8/1989 Bishop, Jr. et al. 340/573
5,613,209 A * 3/1997 Peterson et al. 455/518
5,642,484 A 6/1997 Harrison, III et al. 395/214
5,754,938 A * 5/1998 Herz et al. 705/74
5,754,939 A * 5/1998 Herz et al. 455/3,04
5,855,008 A 12/1998 Goldhaber et al. 705/14
6,014,090 A * 1/2000 Rosen et al. 340/905

6,047,327 A * 4/2000 Tso et al. 709/232
6,052,064 A * 4/2000 Budnik et al. 340/7.24
6,154,745 A * 11/2000 Kari et al. 707/100
6,381,465 B1 * 4/2002 Chern et al. 455/466
6,456,852 B2 * 9/2002 Bar et al. 455/456

FOREIGN PATENT DOCUMENTS

EP	0700226	A2	3/1996 H04Q/7/28
WO	WO 94/11967		5/1994 H04J/3/16
WO	WO 97/41654		11/1997 H04H/1/00
WO	WO 99/30273		6/1999 G06K/15/00
WO	WO 00/04730		1/2000 H04Q/7/00

OTHER PUBLICATIONS

International Search Report for PCT Application No. PCT/US00/13858 dated Feb. 14, 2001.

* cited by examiner

Primary Examiner—Mehmet B. Geckil

(74) *Attorney, Agent, or Firm*—Melvin A. Hunn

ABSTRACT

The Location Enhanced Information Deliver System Architecture (LEIA) customizes the information that is displayed to an information recipient based on optimizing a match between information purveyors, such as advertisers, and the information recipients who are local to an information delivery system. The present location enhanced information delivery system presents the information most suited to the real current audience, as measured by location information systems, rather than to a static predicted audience. While the preferred embodiment discloses a beaconing-style wireless technology, the system concept is easily extensible both to other location-information systems, such as license-plate scanning with cameras, and to utilizing the location-information for private displays of information in addition to public displays of information.

96 Claims, 2 Drawing Sheets

